

Claims

1. Suction system for an internal combustion engine having at least two cylinder bank rows, an intake bend (4, 6) with individual tubes (11-13 and 14-16) leading to the cylinders being assigned to each cylinder bank row, whereby the intake bends (4, 6) are interconnected in fluid terms via a distributor tube and at least one resonance tube (30) equipped with a switch valve (32), characterized in that the resonance tube (30) and the distributor tube are combined to form a central intake module (18).

2. Suction system as claimed in Claim 1, characterized in that the intake module (18), which is equipped with a connection (28) for a throttle valve housing, is designed with an oval cross section, whereas the resonance tube (30) integrated into it is designed with an essentially circular cross section.

3. Suction system as claimed in Claim 1 or 2, characterized in that a part of the lateral surface of the resonance tube (30) is formed by the housing wall (34) of the intake module (18).

4. Suction system according to Claim 3, characterized in that the wall section (36) of the resonance tube (30) formed in the interior of the intake module (18) is designed with chamfering on both its end faces.

5. Suction system as claimed in any one of the preceding claims, characterized in that the housing wall (34) of the intake module (18) has an opening (40) in the area of the resonance tube (30) with a resonance valve housing (42) being inserted into this opening and secured there.